

Docket No.: BRIXIUS-6
Appl. No.: 10/730,880

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) A conveyor system for transporting articles, in particular for transporting containers holding baggage pieces, comprising:

at least two sequentially arranged endless conveyor belts to define an upstream conveyor belt and a downstream conveyor belt for transport of articles in a transport direction from the upstream conveyor belt to the downstream conveyor belt;

a drive unit having a first drive motor operatively connected to the upstream conveyor belt and a second drive motor operatively connected to the downstream conveyor belt, said first and second drive motors each having an unregulated, load-torque-dependent rotation speed; and

a control unit for setting a desired ~~regulating~~ a rotation speed for each motor, wherein the set rotation speed of the first drive motor depends in dependence on a weight ~~determination commensurate with a presence or absence~~ of articles positioned on the upstream conveyor belt, and wherein the set ~~for regulating~~ a rotation speed of the second drive motor depends in dependence on a weight ~~determination commensurate with a presence or absence~~ of articles positioned on the downstream conveyor belt.

2. (Canceled)
3. (Canceled)

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4. (Currently amended) The conveyor system of claim [[2]] 1, wherein the ~~weight determination is implemented~~ determined by multiplying ~~[[the]]~~ a quantity of the articles with an average weight of the articles.
5. (Currently amended) The conveyor system of claim 1, wherein the control unit compensates a decrease in rotation speed in response to an increase in weight of the articles on the conveyor belts through an increase of a desired rotation speed of the associated drive motor, and compensates an increase in rotation speed in response to a decrease in weight of the articles on the conveyor belts through a decrease of a desired rotation speed of the associated drive motor.
6. (Original) The conveyor system of claim 5, and further comprising a frequency converter receiving an output signal from the control unit and controlling the drive motor, wherein the desired rotation speed is adjusted by changing a frequency of the frequency converter and/or a supply voltage of the drive motor.
7. (Original) The conveyor system of claim 5, wherein the drive motor is an unregulated asynchronous motor.
8. (Original) The conveyor system of claim 1, wherein the conveyor belts form a storage unit for the articles.

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9.-16. (Canceled)